

MicroVideo

ASI 201s near-seamless asi video switch

Features

By providing automatic smart switching of the main signal to a back up signal, the ASI 201s offers fail-safe protection for critical ASI signal paths for broadcast or satellite applications.

Constant monitoring of both primary and back up feeds means should a fault be detected in the primary input, the secondary feed will be automatically switched to the module's output.

The ASI 201s provides near-seamless switching of ASI signals by preserving the output stream's TS packet structure during a switch, hence identical input streams would give a perfectly seamless switch.

The switch can operate in two modes; automatic or non-resetting. In full automatic mode, the ASI 201s will switch back to the primary signal once it has been restored. In the non-resetting mode, the secondary input remains routed to the output, even after the primary input has recovered. The ASI 201s can also be configured for non-seamless switching if required.

GPI inputs allow faults detected in upstream equipment to contribute to the switching logic.

Controls are easily accessed through a Control Panel, GPIs, front edge module controls or TCP/IP.

At a glance

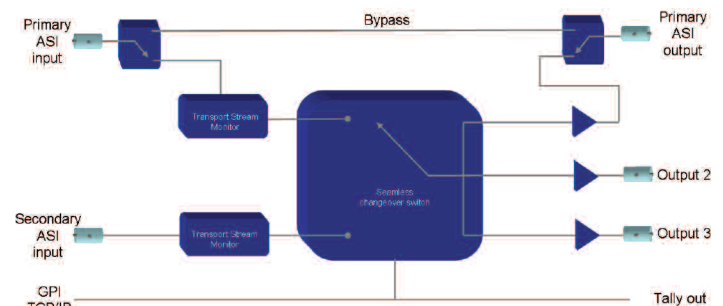
- 2 ASI inputs and 3 ASI outputs
- Near seamless switching option
- Detects TR101 290 errors with user assignable priorities
- Switching delay - user programmable up to 3 seconds
- User definable error threshold setting to avoid false changeover
- TS data rate measurement from 100kb/s to 213Mb/s
- Relay bypass maintains primary feed on loss of power
- Automatic or manual switching via GPI
- Full control and status monitoring through card edge LED's
- Alarm generation
- Remote control and monitoring



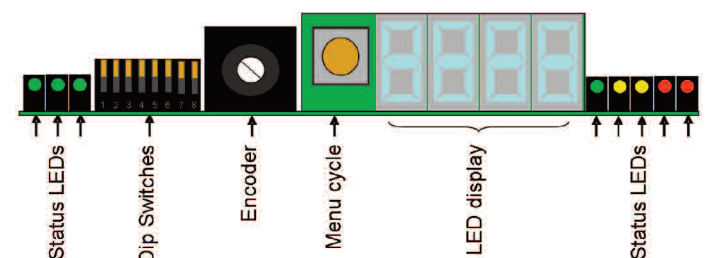
Applications

- satellite uplink
- cable headends
- transmission point

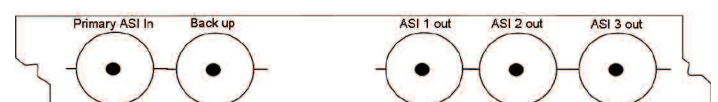
Block Diagram



Card-edge Controls



Rear module



Input

ASI	DVB TR 101 891 - 270Mb/s
Number of Inputs	2
Min ASI TS Bitrate	100kb/s
Max ASI TS Bitrate	213Mb/s

Output

ASI	DVB TR 101 891 - 270Mb/s
Number of outputs	3
Min ASI TS Bitrate	100kb/s
Max ASI TS Bitrate	213Mb/s

Miscellaneous

Weight Approx	250g
Operating Temp	0 °C to +50 °C
Dimensions	16 x 100 x 237 mm (HxWxD)
Electrical	Voltage +5Vdc

Frames

FR1U-10	Rack mounting 1U frame with single PSU and 6 slots for Series 300 cards
FR10-20	Rack mounting 1U frame with dual PSU and 4 slots for Series 300 cards
FR3U-10	Rack mounting 3U frame with single PSU and 15 slots for Series 300 cards
FR3U-20	Rack mounting 3U frame with dual PSU and 15 slots for Series 300 cards